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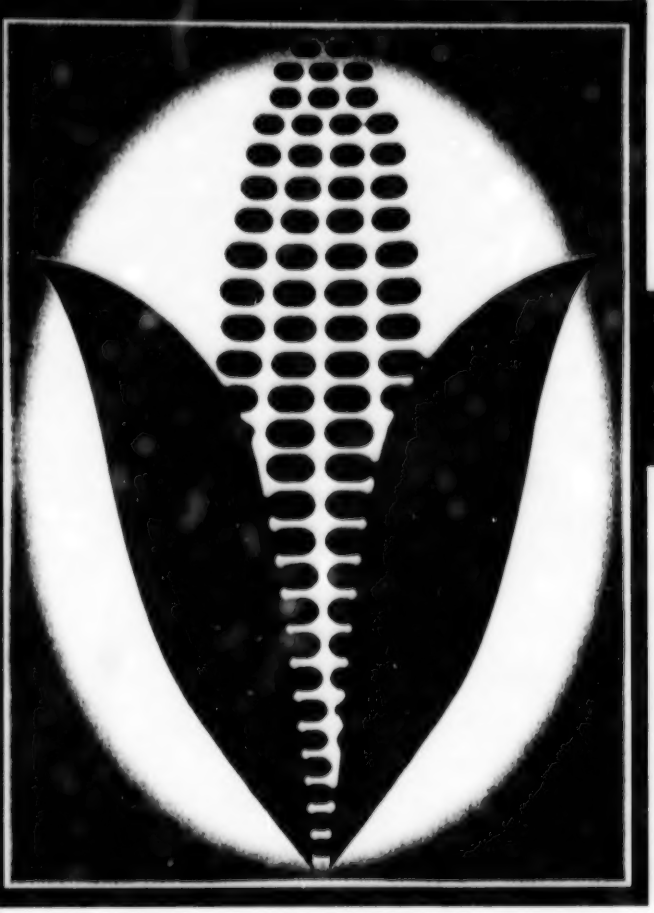

2000 Report

ONTARIO HYBRID CORN PERFORMANCE TRIALS

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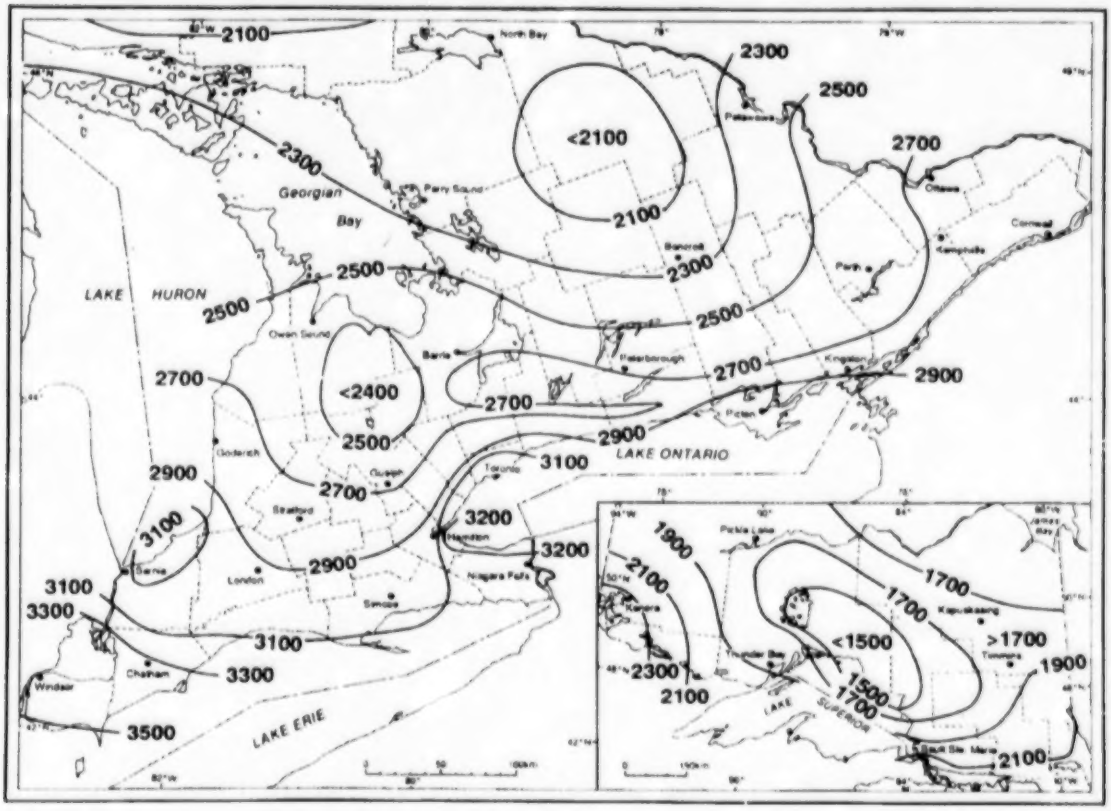
CONDUCTED BY THE ONTARIO CORN COMMITTEE

Heat Units Available for Corn Production in Ontario



INTERPRETATION OF RESULTS

Within each table, hybrids are identified by brand and/or hybrid number or name. Hybrids are listed in approximate order of maturity based on heat unit ratings provided by the companies. More information about the Corn Heat Unit system can be found in the OMAFRA factsheet *Crop Heat Units For Corn And Other Warm-season Crops in Ontario*, (<http://www.gov.on.ca/OMAFRA/english/crops/facts/93-119.htm>)

Hybrid selection should be based on the most data available. Greatest emphasis should be put on two-year averages. Similarly , one-year averages from several locations will provide a more accurate prediction of future performance than will single location results.

Broken Stalks - Because all hybrids in a trial are harvested on the same date, the early hybrids within each table tend to show a greater amount of stalk breakage than later hybrids in the same table. Therefore, stalk strength should be compared only with hybrids of the same maturity.

Index - The index in the tables indicates a percent of the test average. Index figures above 100 reflect the percentage by which a hybrid is above the average, whereas index figures below 100 show the percent below the average. Small differences in index are not significant within any table. When a hybrid consistently has a higher index over two or three years, this difference is probably real and should be considered when choosing a hybrid. The average yield for each table is given in bushels per acre. You can calculate the actual yield for a hybrid by multiplying the average yield times its yield index and dividing by 100. The average test weight is given in kg/hl (kilograms per hectoliter). You can calculate the actual test weight of a hybrid by multiplying the average test weight times its test weight index and dividing by 100.

LSD (0.10) - The LSD is a measure of variability within the trial. There is a ninety percent probability that yield indices that differ by an amount equal to the LSD are different. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

European Corn Borer Pressure - Four rows of each of two adapted non-Bt hybrids were planted adjacent to each Performance Trial. Ten plants were selected from each hybrid for evaluation during the week of September 20th. The entire stalk of each plant was split and the length of corn borer tunnelling was measured. The rating for corn borer pressure was determined using the average total tunnel length per plant (cm.) using the following scale:

None (N) - under 0.5 cm Low (L) - 0.6 to 4.9 cm Moderate (M) - 5.0 to 14.9 cm High (H) - over 15 cm

The level of corn borer pressure was also assessed visually. There was close agreement between the visual and the measured ratings.

1999 Hybrid Corn Performance Trial Management Information

Location	Previous Crop	Tillage		Soil Test			Actual Nutrients Applied (kg/ha)			Hebicide Treatment				ECB* rating	Rainfall (mm)						Total CHU
		Fall	Spring	P	K	pH	N	P	K	Product	Rate	Date	Method		May	Jun	Jul	Aug	Sep	Total	
Alma	Corn	Plow	Cultivator	M	M	7.5	140	160	80	Marksman	4.0 L/ha	4-Jun	post	S			not available				
Pakenham	Wheat	Chisel Plow	Cultivator	L	H		120	70	0	Dual II Magnum Marksman	1.5 L/ha 2.5 L/ha	13-May 4-Jun	ppi post	M			not available				
Elora	Alfalfa	Plow	Cultivator	H	H	7.8	140	160	80	Marksman	4.0 L/ha	21-Jun	post	M	51	136	63	93	67	410	2780
Mitchell	Soybeans	Plow	Cultivator	H	H		170	30	30	Dual Bladex	2.25 L/ha 2.53 kg/ha	20-May 20-May	pre pre	L			not available				
Waterloo	Wheat	Soil Saver	Chisel Plow Cultivator	M	M	7.5	143	80	74	Dual II Magnum Marksman	1.5 L/ha 2.5 L/ha	28-Apr 28-May	ppi post	S	33	115	75	69	64	356	
Kemptville	Corn	Plow	Cultivator				150	0	0	Fieldstar Eradicane	216 g/ha 5.5 L/ha	11-May 11-May	ppi ppi	L	37	80	88	5	95	305	3125
Ottawa	Corn	Disc	Cutlivator	M	VH	7.3	157	39	84	Primextra II Ultim Banvel II	3.3 L/ha 6.7 g/ha 0.6 L/ha	4-May 5-Jun 5-Jun	ppi post post	L	40	49	122	35	137	383	3498
Exeter	Coloured beans	Plow	Cultivator	H	H		170	30	30	Dual Bladex	2.25 L/ha 2.53 kg/ha	20-May 20-May	pre pre	L			not available				
Winchester	Alfalfa	Plow	Disc Cultivator				150	0	0	Fieldstar Eradicane	216 g/ha 5.5 L/ha	28-May 28-May	ppi ppi	L			not available				
Woodstock	Soybeans	Plow	Cultivator	L	M	6.9	165	103	85	Primextra light Banvel	6.0 L/ha 0.7 L/ha	4-May 28-May	ppi post	L	44	101	71	96	30	342	
Ailsa Craig	Soybeans	Plow	Cultivator	H	H		170	30	30	Primextra Bladex	3.0 L/ha 2.53 kg/ha	4-May 20-May	ppi pre	L			not available				
Ilderton	Soybeans	Plow	Cultivator	H	H		170	30	30	Dual Bladex	2.25 L/ha 2.53 kg/ha	21-May 21-May	pre pre	L			not available				
St. Thomas	Soybeans	Plow	Cultivator	H	H		170	30	30	Dual Bladex	2.25 L/ha 2.53 kg/ha	19-May 19-May	pre pre	N			not available				
Kerwood	Soybeans	Plow	Cultivator	H	H		170	30	30	Dual Bladex	2.25 L/ha 2.53 kg/ha	21-May 21-May	pre pre	L			not available				
Inwood	Wheat	Chisel Plow	Cultivator	M	M		212	100	100	Dual II Fieldstar	2.0 L/ha 217 g/ha	12-May 12-May	pre pre	L	18	48	22	106	45	239	
Croton	Soybeans		Cultivator	M	M		212	100	100	Dual II Fieldstar	2.0 L/ha 217 g/ha	14-May 14-May	pre pre	M	11	66	20	72	51	220	
Ridgetown	Wheat	Plow	Cultivator	M	M		207	95	95	Dual II Fieldstar	2.0 L/ha 217 g/ha	8-May 8-May	pre pre	M	25	51	39	50	77	242	3456
Grande Pointe	Soybeans	Plow	Cultivator	M	M		212	100	100	Dual II Fieldstar	2.0 L/ha 217 g/ha	14-May 14-May	pre pre	M	28	75	36	51	58	248	

* European Corn Borer Rating - N = none L = low M = moderate S = severe

100-04084/

Table 1: 2500 - 2600 C.H.U. Area

	Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 3 Trials (Alma '98-'99; Codben '98) Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Trials: ALMA Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Pioneer	39W54						94	19.2	11	103
	NK	N03-D9	B3					98	19.8	6	102
	Pioneer	39M27	B1					104	21.2	10	105
	Pioneer	39K72		81	18.7	16	101	87	19.4	30	103
	Pioneer	39K73	B1					95	19.9	23	104
	Dekalb	DK230		92	21.4	15	104	87	22.2	25	104
	Pickseed	2255		83	19.0	11	99	75	18.3	23	98
	Growmark	FS 30A03						84	20.7	13	102
	NK	N05-H2		95	19.7	6	101	93	20.1	11	101
	Pioneer	39T68		92	20.1	11	102	94	21.2	17	102
	NK	N06-W9		97	20.7	5	100	97	21.3	7	100
2	Pioneer	39J69	B1					108	21.9	28	103
4	Pride	K108		95	20.1	14	102	88	19.5	33	101
0	Pickseed	2408		88	19.6	8	100	82	19.7	12	99
0	Cargill	1527		94	19.8	10	101	89	19.0	21	102
	Pride	K105		90	21.2	11	101	85	19.3	23	102
	Maizex	MZ128		103	18.8	7	100	103	18.9	9	102
	Cargill	1710						101	20.5	10	97
	Mycogen	2052	B3					98	22.9	35	102
	Pickseed	2459		104	20.2	10	100	99	20.3	16	101
	Pioneer	39Y85		92	21.1	5	102	102	23.8	7	102
	Pride	K105BT	B1					108	25.3	2	104
	Dekalb	DK308		103	19.0	9	99	97	18.9	21	98
	Hyland	HL2262		100	20.1	10	96	93	20.1	23	94
	Dekalb	DK307						104	19.4	17	100
	Direct	D20		102	20.4	13	99	97	19.5	29	95
	Growmark	FS 82A50						102	23.0	10	96
	Pride	K115		105	19.8	6	104	106	19.9	13	104
	Mycogen	1376		99	20.9	8	97	99	21.6	14	95
	Pickseed	2405		98	20.8	5	101	90	20.6	9	103
2	Pickseed	2529		109	20.1	7	98	101	20.6	16	96
5	Pickseed	2585						106	20.6	9	98
0	Pioneer	39A26		115	20.2	5	102	110	20.7	11	102
0	Direct	D22BT	B1					101	25.5	1	102
	Dekalb	DK343		107	21.1	8	97	106	21.2	18	97
	Hyland	HL2266		102	20.1	6	97	101	20.3	13	96
	Pride	K118		111	23.7	10	101	109	27.2	17	100
	Pride	K124		103	20.2	9	97	102	19.8	18	96
	Pride	K118LL	L2					103	26.4	16	99
	Maizex	MZ151		105	21.8	10	98	99	19.6	18	96
	NK	N15-Z1						108	21.1	11	100
	Pickseed	2365						95	25.0	8	94
	Pioneer	3941						107	23.3	10	99
	Asgrow	RX326						108	20.6	7	102
	Dekalb	DK334BTY	B1					115	23.8	4	99
	Hyland	HL2222						108	20.4	15	98
	Hyland	HL2277						104	20.7	14	97
	Pride	X8255		108	21.7	6	102	104	23.1	10	102
2	Pride	K130BT	B3					113	20.9	5	104
6	Cargill	1877		111	20.2	5	104	101	19.9	13	104
0	Cargill	2470						122	22.3	4	98
0	Pickseed	2565		115	22.5	5	96	116	22.0	7	97
	Average			154	20.5	9	77	145	21.2	14	78
	LSD(0.10)			5				6			

European Corn Borer Pressure: Severe

Average Yields are shown in bushels per acre; Average Test Weights are shown in kg/hl.
The LSD is a measure of variability within the trial. Yield indices which differ by an amount less than or equal to the LSD should be considered equal.

Table 2: 2550 - 2700 C.H.U. Area

	Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 4 Trials (Elora '98-'99; Pakenham '98-'99) Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Performance Trials: AVERAGE of 2 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	ELORA Yield Index	Moist. %	Brkn Stk %	PAKENHAM Yield Index	Moist. %	Brkn Stk %
	Pioneer	39J69	B1					91	19.1	33	103	93	18.3	53	89	20.0	13
	Pride	K108		92	18.7	15	103	83	19.0	23	103	84	18.4	34	82	19.6	13
	Cargill	1710						99	19.3	14	96	101	18.1	20	97	20.5	9
	Pioneer	39Y85		86	19.2	10	102	86	20.4	11	102	87	21.2	9	85	19.6	13
	Pride	K105BT	B1					99	22.3	7	104	100	22.5	13	98	22.0	2
	Growmark	FS 82A50						87	19.7	7	100	88	18.7	5	86	20.7	9
2	Pride	K115		98	18.9	5	104	98	19.7	6	104	96	19.2	13	101	20.1	0
5	Bayside	SUPER 75						102	24.8	1	96	118	29.3	1	86	20.2	1
0	Pickseed	2405		97	19.0	13	102	89	20.0	16	102	86	19.7	15	91	20.3	18
0	Pickseed	2585						98	19.0	11	100	94	18.4	10	102	19.7	12
	Pioneer	39A26		100	19.1	5	103	101	20.2	8	103	100	20.1	10	101	20.4	6
	Dekalb	DK343		95	18.0	9	99	93	19.4	11	99	95	18.6	13	91	20.2	8
	Growmark	FS 2547						92	19.3	37	96	94	18.0	53	90	20.6	22
	Growmark	FS 2657						100	19.8	7	101	110	19.4	6	91	20.2	8
	Pride	K118		98	21.0	13	102	95	21.7	17	102	92	21.5	26	98	21.9	8
	Pride	K124		92	18.4	12	98	89	18.9	19	98	88	18.3	30	89	19.6	9
	Pride	K118LL	L2					97	22.6	10	103	100	23.4	14	94	21.9	6
	Maizex	MZ151		93	19.1	10	99	97	19.0	16	96	91	18.5	23	103	19.6	9
	NK	N15-Z1		97	18.6	6	100	97	19.4	6	100	98	18.3	7	97	20.5	4
	Mycogen	2141						104	20.0	10	105	104	19.8	20	104	20.3	1
	Garst	8960		98	18.6	28	97	98	19.2	35	96	107	18.2	46	90	20.2	25
	Pioneer	3941		92	18.9	8	100	95	19.2	13	101	98	19.0	16	92	19.5	9
	Dekalb	DK356		98	19.0	7	100	97	19.3	9	100	105	20.0	7	90	18.7	11
	Asgrow	RX326						89	18.5	7	103	91	18.3	7	88	18.8	8
	Dekalb	DK334BTY	B1					111	20.8	3	101	113	20.5	6	109	21.0	0
	Pride	X8255		104	19.5	7	104	100	20.1	11	104	95	20.3	15	104	19.8	8
	Pride	K130BT	B3					103	19.4	8	105	99	19.5	16	107	19.3	0
	Cargill	1877		102	18.8	6	104	103	19.0	11	104	104	18.7	19	103	19.2	3
	Direct	D30		96	20.5	7	99	93	21.4	7	99	97	21.2	3	90	21.6	11
	Direct	D31						92	21.1	5	98	97	21.0	5	87	21.2	5
2	Pride	K135		95	19.0	6	101	98	19.9	6	101	91	19.6	2	104	20.2	10
6	NK	N17-C5	B2	107	20.2	4	101	109	20.8	7	100	103	21.0	15	115	20.5	0
0	Cargill	2470						111	19.5	5	101	108	18.8	7	114	20.1	3
0	Mycogen	2143						94	20.2	6	100	101	20.1	5	87	20.3	7
	Pickseed	2525		100	19.6	5	96	97	20.3	7	96	93	20.2	3	100	20.4	11
	Pickseed	2565		106	19.3	5	99	105	19.5	8	100	102	19.0	11	108	20.1	5
	Pickseed	2686		101	19.0	8	102	98	19.4	10	102	92	19.4	12	103	19.3	8
	Garst	8975		98	20.0	4	98	99	20.2	5	98	102	19.2	5	97	21.3	4
	Pioneer	3921		109	21.4	5	101	107	22.5	6	101	107	23.6	8	107	21.4	4
	Asgrow	RX346						100	20.1	3	101	95	19.9	3	106	20.3	4
	Dekalb	DK345		93	19.0	8	101	89	19.0	12	101	98	18.3	11	81	19.7	13
	NK	G-4046		97	19.1	2	101	96	20.3	2	101	94	19.5	4	98	21.1	1
	NK	N17-G7	B3					104	20.3	2	100	97	19.4	3	112	21.2	0
	Pioneer	39D81		109	19.6	10	101	107	20.4	12	100	109	20.1	15	105	20.8	10
	Garst	8968		102	19.0	7	101	105	19.6	8	101	106	18.9	6	103	20.3	10
	Dekalb	DK355		104	18.4	5	99	105	18.7	8	98	106	18.4	11	104	19.0	6
	Growmark	FS 82A67						109	21.1	3	100	96	21.0	5	121	21.2	0
	Mycogen	2242						102	20.8	4	98	111	20.4	2	94	21.3	5
	Pioneer	39F06	B1	114	20.4	1	100	115	21.4	2	100	114	21.5	2	115	21.4	2
	Garst	8942						101	22.1	9	102	100	21.6	11	102	22.5	7
	Dekalb	DK359RR	R												100	18.9	10
	Maizex	MZ230		97	20.0	4	98	97	20.6	4	98	101	19.9	6	93	21.3	1
	Pioneer	3905		106	19.5	5	101	107	20.2	8	102	110	20.6	9	105	19.8	6
	Pioneer	39K38		108	19.6	13	100	102	20.1	19	101	98	20.2	18	105	20.1	21
	Pickseed	2733		96	20.1	4	98	95	20.6	5	98	105	19.8	2	85	21.3	8
	Renk	RK232						105	19.7	11	99	105	18.9	15	106	20.6	6
2	Pioneer	38G17	B1					119	23.4	4	97	111	23.6	8	128	23.2	0
7	Dekalb	DK376						112	21.7	4	98	106	21.6	2	118	21.8	6
0	Cargill	2610		108	21.8	2	99	108	23.3	4	98	106	24.6	4	110	22.0	4
0	Asgrow	RX355YG	B1					117	22.7	3	96	111	22.4	5	123	22.9	1
	Pickseed	2626		103	20.4	7	97	95	20.8	12	97	85	20.6	14	105	21.1	10
	Pickseed	2705BT	B1					109	21.8	12	97	108	21.7	20	109	21.9	3
	Hyland	HL2240		105	21.0	10	94	104	21.0	16	93	103	20.1	12	105	21.9	21
	Renk	RK260		103	21.2	7	98	101	21.9	12	98	99	20.3	17	103	23.5	6
	Average			164	19.5	8	75	161	20.4	10	74	156	20.2	13	166	20.6	7
	LSD(0.10)			4				5				7			8		
	European Corn Borer Pressure												Moderate			Moderate	

Table 3: 2600 - 2800 C.H.U. Area

1998 - 99 Averages

Average of 5 Trials
(Waterloo '99; Kemptville '98-'99; Mitchell '99; Ottawa '99)

1999 Trial Averages

AVERAGE of 4 Trials
(Waterloo; Kemptville; Mitchell; Ottawa)

	Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Bayside	SUPER 75						99	21.4	1	98
2	Growmark	FS 2657						94	20.5	1	101
6	Pride	K157		94	21.9	4	102	93	22.3	3	102
0	NK	N17-C5	B2	93	20.8	0	101	99	20.8	0	102
0	Bayside	SUPER 82						97	20.7	1	99
	Pickseed	2525		96	19.9	3	99	95	20.0	2	100
	Pickseed	2686		94	19.5	2	102	93	19.7	1	102
	Garst	8975		89	20.8	2	100	95	21.1	1	100
	NK	N17-G7	B3					97	20.3	0	101
	Garst	N6902						99	20.9	2	100
	Pioneer	39D81						99	20.5	2	100
	Garst	8968		96	20.4	1	101	98	20.7	1	101
	Dekalb	DK355		97	19.2	2	99	98	19.3	2	99
	Growmark	FS 82A67						99	19.8	1	101
	Pride	K177		102	21.5	2	101	102	21.9	1	102
	Maizex	MZ240		97	21.4	1	98	98	21.5	1	98
	Mycogen	2242						92	21.3	1	98
	Pioneer	39F06	B1	102	20.6	0	101	105	20.9	1	102
	Garst	8942		92	22.6	2	103	94	22.9	1	103
	Maizex	MZ230		92	20.5	2	99	93	20.5	1	99
	Pioneer	3905		102	20.1	2	103	103	20.2	1	103
	Pioneer	39K38		104	20.4	3	102	101	20.6	3	102
	Mycogen	2250		100	20.9	5	99	99	20.9	2	100
	Garst	8950		98	20.4	2	102	98	20.7	1	102
	Garst	8972IT	I	97	19.8	2	101	98	19.9	1	101
	Pickseed	2799						103	19.6	2	100
	Growmark	FEEDSTAR 2700						99	22.0	1	96
	NK	G-4064		95	21.4	0	102	97	21.8	0	102
	Pride	K196		108	21.7	2	102	108	22.1	2	102
	Maizex	MZ280		92	20.7	3	99	92	20.7	1	99
2	NK	N2555BT	B2	105	22.1	0	102	108	22.4	0	103
7	NK	N25-D7	B2	106	21.6	0	101	105	21.8	0	102
0	Garst	N7927						98	20.0	1	101
0	Renk	RK232						102	19.7	1	100
	Pioneer	38G17	B1					102	22.3	0	99
	Garst	8901						98	22.1	2	103
	Pioneer	3893		103	21.3	5	102	102	21.5	1	103
	Dekalb	DK376		96	21.5	1	102	99	21.7	2	102
	Pickseed	2605		93	21.1	5	100	92	21.2	2	100
	Pickseed	2776BT	B1					97	21.6	0	98
	Cargill	2610		102	21.9	1	102	102	22.3	1	102
	Dekalb	DK385B		99	20.1	2	100	99	20.2	1	101
	Hyland	HLB275	B3	107	21.3	1	96	107	21.5	1	96
	Pride	K248		96	22.9	3	102	96	23.3	2	103
	Maizex	MZ330						99	21.4	2	100
	Asgrow	RX355YG	B1					103	21.2	0	98
	Pickseed	2626		95	21.0	2	98	89	21.0	1	99
	Pickseed	2750						99	21.0	2	101
	Pioneer	38W36	B1	115	22.5	0	98	114	23.0	0	99
	Great Lakes	3994						95	20.6	1	100
	Pickseed	2705BT	B1					107	21.5	1	100
	Hyland	HL2240		101	21.4	4	96	102	21.5	2	96
	Hyland	HL2305						104	21.0	1	100
	Pioneer	3860		109	21.8	2	97	110	22.1	1	98
	Dekalb	DK389BTY	B1					103	21.8	0	102
	NK	N27-M3	B2	106	21.8	0	102	111	21.9	0	103
	Mycogen	2362	B3	103	21.6	1	97	103	21.8	0	97
	Dekalb	DK405		109	20.7	3	96	109	20.6	2	96
	Pride	K266		106	22.3	0	96	106	22.8	0	95
2	Pride	K266LL	L2	107	22.0	1	96	106	22.5	1	95
8	Renk	RK386						100	20.5	1	99
0	Pioneer	38K06						105	22.6	1	99
0	Renk	RK366						95	21.5	2	96
	Pickseed	4949		100	22.4	3	99	100	22.8	2	99
	Average			178	21.2	2	72	167	21.3	1	72
	LSD(0.10)			5				6			

Table 3: 2600 - 2800 C.H.U. Area

Results of 1999 Performance Trials

	Brand and/or Hybrid		Notes	WATERLOO Yield Index	WATERLOO Moist. %	WATERLOO Brkn Stk %	KEMPTVILLE Yield Index	KEMPTVILLE Moist. %	KEMPTVILLE Brkn Stk %	MITCHELL Yield Index	MITCHELL Moist. %	MITCHELL Brkn Stk %	OTTAWA Yield Index	OTTAWA Moist. %	OTTAWA Brkn Stk %
	Bayside	SUPER 75		101	25.5	2	96	20.3	2	104	19.2	2	93	20.7	0
	Growmark	FS 2657		99	20.2	2	91	19.5	1	92	20.6	1	94	21.9	1
2	Pride	K157		100	22.6	4	91	21.7	1	86	20.8	4	98	23.9	2
6	NK	N17-C5	B2	98	19.0	0	100	20.6	0	104	21.5	0	93	22.1	0
0	Bayside	SUPER 82		91	20.5	2	98	19.6	1	93	20.5	1	108	22.0	0
0	Pickseed	2525		84	20.4	3	97	19.3	2	102	19.9	1	96	20.5	1
	Pickseed	2686		93	18.5	4	98	19.8	1	91	19.4	0	87	21.0	0
	Garst	8975		94	20.9	1	91	20.9	1	102	20.3	2	92	22.4	0
	NK	N17-G7	B3	96	20.6	1	93	20.0	0	100	18.6	0	99	22.0	0
	Garst	N6902		103	20.8	2	101	20.6	1	98	19.9	2	93	22.1	1
	Pioneer	39D81		103	19.5	4	100	20.4	1	98	19.7	1	92	22.4	3
	Garst	8968		104	20.1	2	96	20.3	2	95	20.5	0	99	22.1	0
	Dekalb	DK355		93	18.6	4	95	18.7	1	101	19.3	2	103	20.7	1
	Growmark	FS 82A67		98	19.6	1	98	19.9	1	99	19.2	1	100	20.4	2
	Pride	K177		107	22.6	2	104	20.5	0	101	20.8	1	94	23.7	1
	Maizex	MZ240		93	20.1	1	97	21.5	0	104	20.0	2	99	24.3	1
	Mycogen	2242		95	20.6	0	92	20.5	0	86	21.5	2	97	22.5	0
	Pioneer	39F06	B1	111	21.4	0	101	20.2	1	101	19.6	1	106	22.3	1
	Garst	8942		93	22.4	3	94	21.8	0	98	22.6	1	91	24.9	1
	Dekalb	DK359RR	R										105	20.4	1
	Maizex	MZ230		86	20.2	2	91	19.9	2	97	19.7	1	99	22.1	0
	Pioneer	3905		98	19.6	2	106	19.8	1	102	19.2	1	104	22.3	1
	Pioneer	39K38		103	21.1	3	100	19.4	1	97	19.9	3	105	22.1	5
	Mycogen	2250		97	19.4	5	98	20.7	1	101	20.8	3	101	22.7	1
	Garst	8950		92	20.1	1	98	19.3	1	107	19.9	1	94	23.4	1
	Garst	8972IT	I	95	18.7	1	98	20.0	1	96	19.6	2	104	21.2	1
	Pickseed	2799		100	18.6	3	107	19.0	1	105	18.9	3	98	21.9	1
	Growmark	FEEDSTAR 2700		101	22.1	2	96	21.9	1	103	19.7	2	95	24.5	1
	NK	G-4064		102	21.6	0	95	20.8	1	91	21.0	0	100	23.9	1
	Pride	K196		112	23.3	4	110	21.1	1	101	21.1	2	107	22.9	1
	Maizex	MZ280		91	21.7	3	99	20.1	1	86	18.4	0	93	22.8	1
	NK	N2555BT	B2	111	22.2	0	100	20.9	0	108	22.5	0	118	24.0	0
	NK	N25-D7	B2	105	21.6	0	105	21.7	0	105	20.5	1	103	23.3	0
	Garst	N7927		91	19.9	1	98	19.7	0	101	19.4	1	102	21.1	1
	Renk	RK232		102	19.2	1	104	18.9	2	93	19.7	0	108	21.0	1
	Pioneer	38G17	B1	111	21.6	0	95	22.1	0	104	21.6	0	100	23.8	0
2	Garst	8901		104	22.4	3	93	21.4	2	101	21.4	3	92	23.2	0
7	Pioneer	3893		108	20.5	1	103	21.6	1	103	21.2	3	93	22.6	1
0	Dekalb	DK376		101	21.5	2	101	21.3	1	101	20.2	4	90	23.7	1
0	Pickseed	2605		91	20.5	4	92	20.5	1	96	21.0	1	86	22.9	0
	Pickseed	2776BT	B1	94	20.3	0	94	21.9	0	101	19.7	0	101	24.5	0
	Cargill	2610		103	24.0	1	94	20.2	2	104	22.4	2	110	22.8	0
	Dekalb	DK385B		92	20.6	2	100	19.9	0	101	18.9	2	106	21.5	2
	Hyland	HLB275	B3	114	21.8	1	100	21.7	1	108	20.1	0	107	22.5	1
	Pride	K248		90	23.0	2	98	22.6	1	95	22.3	2	103	25.1	4
	Maizex	MZ330		101	21.1	2	110	20.7	1	95	20.7	3	87	23.0	1
	Asgrow	RX355YG	B1	100	20.8	0	103	21.3	0	104	20.9	1	106	21.7	0
	Pickseed	2626		88	20.8	2	92	20.5	2	88	21.2	0	86	21.6	1
	Pickseed	2750		99	20.5	4	97	20.0	2	105	21.1	1	93	22.5	0
	Pioneer	38W36	B1	117	22.1	0	114	22.2	0	115	22.7	0	107	24.8	0
	Great Lakes	3994		92	19.8	1	89	20.3	1	99	20.6	0	100	21.8	0
	Pickseed	2705BT	B1	108	22.5	0	106	19.7	0	106	20.1	1	109	23.5	1
	Hyland	HL2240		97	20.7	4	107	21.7	2	102	20.0	0	98	23.7	2
	Hyland	HL2305		105	21.2	0	109	20.3	1	105	20.8	1	93	21.6	1
	Pioneer	3860		106	21.8	2	107	21.7	1	116	21.7	0	111	23.0	1
	Dekalb	DK389BTY	B1	100	22.6	0	102	20.1	0	111	21.1	1	98	23.5	0
	NK	N27-M3	B2	110	20.9	0	114	21.1	0	107	21.6	1	113	24.1	0
	Mycogen	2362	B3	108	21.9	0	103	21.3	1	94	20.1	0	108	23.8	0
	Dekalb	DK405		108	21.3	2	112	20.5	2	108	19.3	1	106	21.4	3
	Pride	K266		109	22.2	1	109	22.2	0	97	21.9	0	110	25.0	1
2	Pride	K266LL	L2	105	22.3	0	111	22.1	2	99	20.6	0	105	24.8	2
8	Renk	RK386		101	19.1	2	103	20.1	1	96	19.6	1	99	23.3	1
0	Pioneer	38K06		102	23.6	1	102	21.5	2	102	21.6	1	117	23.7	3
0	Renk	RK366		90	20.7	2	97	21.1	1	98	21.6	2	94	22.7	1
	Pickseed	4949		101	22.3	2	106	22.3	2	92	21.9	1	100	24.6	3
	Average			167	21.1	2	202	20.7	1	170	20.5	1	128	22.7	1
	LSD(0.10)			6			9			17			10		
	European Corn Borer Pressure			Severe			Low			Low			Low		

Table 4: 2700 - 2900 C.H.U. Area

1998 - 99 Averages

Average of 6 Trials

(Exeter '98-'99; Woodstock '98-'99; Winchester '98-'99)

	Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Pride	K177		97	21.0	4	102
	Pioneer	39F06	B1	94	19.4	1	101
	Pride	K196		99	20.5	4	104
	Maizex	MZ280		97	19.8	3	101
	NK	N2555BT	B2	101	21.4	7	102
2	NK	N25-D7	B2	99	20.4	3	102
7	Pioneer	3893		96	20.4	5	101
0	Cargill	2610		95	21.3	2	102
0	Dekalb	DK385B		91	19.7	5	102
	Hyland	HLB275	B3	99	20.5	7	97
	Pride	K248		91	21.8	6	102
	Maizex	MZ330		98	19.6	2	102
	Pioneer	38W36	B1	100	22.0	3	101
	Garst	8943		96	21.2	3	98
	Hyland	HL2240		97	20.5	6	97
	Pioneer	3860		101	20.7	6	98
	NK	N27-M3	B2	105	21.6	1	102
	Mycogen	2362	B3	100	20.7	4	96
	Agventure	AGV 390		100	20.4	1	98
	Dekalb	DK405		103	19.5	8	98

1998 - 99 Averages Continued

Average of 6 Trials

(Exeter '98-'99; Woodstock '98-'99; Winchester '98-'99)

	Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Pride	K266		104	20.7	5	97
2	Pride	K266LL	L2	99	20.8	3	98
8	NK	N29-F1	B2	99	22.6	2	103
0	Garst	8814		95	21.9	3	100
0	Pride	K286		107	23.3	2	100
	NK	N3030BT	B2	115	22.7	4	100
	Renk	RK366		98	20.8	5	97
	Mycogen	2395		98	21.3	4	102
	Pioneer	38P05		108	20.9	4	102
	Pioneer	38P06	B1	106	21.9	3	99
	Pickseed	4949		102	21.8	2	101
	Garst	8751		104	21.9	3	99
	Direct	D53		102	20.8	6	101
	Dekalb	DK431		104	20.1	5	99
	Hyland	HL2387		101	21.8	3	100
	NK	MAX 357	B3	98	21.7	7	101
	Garst	8816		100	24.1	6	98
	Average			172	21.1	4	73
	LSD(0.10)			4			

* Average Yields are shown in bushels per acre; Average Test Weights are shown in kg/hl.
The LSD is a measure of variability within the trial. Yield indices which differ by an amount less than or equal to the LSD should be considered equal.

Table 4: Results of 1999 Performance Trials

	Brand and/or Hybrid		Notes	AVERAGE of 3 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	EXETER Yield Index	Moist. %	Brkn Stk %	WOODSTOCK Yield Index	Moist. %	Brkn Stk %	WINCHESTER Yield Index	Moist. %	Brkn Stk %
	Pride	K177		95	22.3	5	102	97	21.9	0	96	20.4	16	93	24.5	1
	Pioneer	39F06	B1	93	21.1	3	102	94	19.8	0	92	19.9	8	93	23.7	0
	Maizex	MZ220		102	21.6	3	103	103	20.7	2	109	20.0	8	95	24.2	0
	Pickseed	2799		95	19.8	2	102	101	18.6	0	88	19.5	5	95	21.3	1
	Growmark	FEEDSTAR 2700		94	21.2	8	98	95	18.7	1	91	19.5	22	95	25.3	0
	Pride	K196		97	21.8	7	104	95	20.4	0	98	20.3	22	99	24.6	0
	Maizex	MZ280		94	21.1	5	100	91	19.1	2	97	19.2	12	94	25.0	0
	NK	N2555BT	B2	102	21.7	15	102	100	20.3	2	104	19.7	42	101	25.2	0
	NK	N25-D7	B2	99	21.5	7	103	93	19.5	0	106	20.0	20	99	25.0	0
	Bayside	SUPER 88		95	21.5	14	101	94	20.4	0	95	19.3	42	96	24.7	1
2	Pioneer	38G17	B1	97	22.7	12	101	91	22.0	0	99	20.2	36	100	25.9	0
7	Garst	8901		91	22.6	4	104	86	22.2	1	93	20.5	12	93	25.2	1
0	Pioneer	3893		97	21.8	8	102	99	21.5	0	96	19.7	23	96	24.1	1
0	Pickseed	2776BT	B1	88	21.9	2	100	90	21.3	1	97	20.0	6	81	24.4	0
	Cargill	2610		98	23.0	3	102	100	22.8	1	100	20.7	9	94	25.5	0
	Dekalb	DK385B		90	20.5	9	103	91	19.3	0	90	18.8	26	89	23.4	0
	Hyland	HLB275	B3	98	21.1	13	97	102	19.6	0	97	20.0	40	96	23.8	0
	Pride	K248		94	22.8	10	103	86	21.5	0	99	20.8	30	97	26.1	1
	Maizex	MZ330		94	20.5	3	102	93	17.8	0	99	19.4	8	92	24.3	0
	Asgrow	RX355YG	B1	100	21.2	5	100	97	20.5	0	104	19.7	15	100	23.4	0
	Pickseed	2750		90	20.6	6	100	92	18.3	0	88	18.9	17	91	24.7	1
	Pioneer	38W36	B1	100	23.3	5	102	95	22.7	1	103	20.9	15	102	26.3	0
	Garst	8943		92	21.3	6	98	89	19.0	0	93	19.7	16	94	25.3	2
	Dekalb	DK387RR	R								94	19.1	20			
	Hyland	HL2240		94	21.3	10	97	92	20.6	2	98	20.1	27	93	23.1	1
	Pioneer	3860		102	21.7	11	99	102	20.5	0	104	20.2	30	100	24.5	2
	Dekalb	DK389BTY	B1	96	21.6	8	103	97	20.0	0	90	19.1	25	99	25.8	0
	Hyland	HL2307		103	21.8	2	99	106	19.8	0	101	19.6	6	102	25.9	0
	NK	N27-M3	B2	106	21.9	3	103	112	21.3	1	105	20.1	7	102	24.2	0
	Mycogen	2362	B3	95	21.4	8	96	86	19.9	0	99	20.2	24	100	24.1	1

Table 4: 2700 - 2900 C.H.U. Area

Results of 1999 Performance Trials

	Brand and/or Hybrid		Notes	AVERAGE of 3 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	EXETER Yield Index	Moist. %	Brkn Stk %	WOODSTOCK Yield Index	Moist. %	Brkn Stk %	WINCHESTER Yield Index	Moist. %	Brkn Stk %
	Agventure	AGV 390		96	22.0	3	97	96	21.0	0	94	19.7	8	98	25.4	0
	Dekalb	DK405		101	20.7	16	98	106	19.1	1	96	19.1	47	102	24.0	1
	Golden Har.	H-6808		100	21.8	5	106	103	21.5	1	100	19.8	13	97	24.2	1
	Growmark	FEEDSTAR 2850		93	22.9	5	98	88	21.7	1	92	20.4	13	99	26.6	1
	Pride	K266		101	22.3	9	96	103	21.6	0	102	20.5	26	99	24.7	1
	Pride	K266LL	L2	95	21.7	7	98	88	20.7	1	99	20.3	19	97	24.0	0
2	Renk	RK386		97	20.7	6	100	97	13.9	0	97	19.0	19	96	24.3	0
8	Bayside	SUPER 90		107	23.3	7	100	111	23.9	0	103	19.9	20	106	26.2	0
0	Pioneer	38K07	B1	104	24.2	4	100	105	24.7	0	107	21.0	13	99	26.8	0
0	Pioneer	38K06		95	22.8	3	96	97	22.8	0	93	19.9	9	94	25.8	0
	NK	N29-F1	B2	103	22.8	4	103	109	21.8	2	104	20.9	10	97	25.8	0
	Bayside	SUPER 91		104	22.1	3	99	111	20.3	0	104	19.6	10	98	26.5	0
	Garst	8814		92	21.6	3	100	91	19.7	0	88	19.3	8	97	25.8	1
	Dekalb	DK427		116	22.4	10	100	120	21.8	0	116	19.7	29	112	25.8	0
	Growmark	FS 82A70		107	22.5	13	97	101	21.7	1	112	19.9	39	107	26.0	0
	Growmark	FS 82A88	B1	102	24.5	8	97	100	22.8	0	96	21.3	23	109	29.5	0
	Growmark	FS 2883		104	20.8	10	99	97	19.3	0	102	19.1	27	113	24.1	1
	Pride	K286		108	24.2	2	100	116	25.5	0	99	20.8	6	108	26.2	0
	NK	N3030BT	B2	111	22.8	9	100	115	21.5	0	112	20.5	26	107	26.5	0
	Garst	N7869		115	22.8	15	98	123	22.5	3	111	19.8	42	112	26.2	2
	Garst	N7870		102	23.5	6	98	95	23.5	0	105	19.9	18	104	27.1	0
	Garst	N7925		109	23.9	5	99	112	24.0	0	99	20.7	15	116	27.2	1
	Garst	N8890BT	B1	104	25.1	3	97	101	23.8	0	99	21.4	9	112	30.1	0
	Garst	N8894BT	B1	100	21.1	2	101	101	19.7	0	103	19.8	6	97	23.8	0
	Renk	RK366		95	22.3	8	97	104	21.5	1	89	19.2	24	91	26.1	0
	Mycogen	2395		98	22.1	7	102	93	20.9	0	101	20.6	20	100	24.7	1
	Mycogen	2424	B3	97	22.1	4	101	95	20.3	0	91	20.3	11	103	25.7	0
	Pioneer	38P05		106	22.2	7	103	111	21.6	0	98	20.0	22	109	24.9	0
	Pioneer	38P06	B1	109	23.1	6	99	110	23.2	0	109	20.5	17	109	25.7	0
	Great Lakes	4231		98	20.4	3	100	90	18.0	0	106	19.3	10	98	23.9	0
	Pickseed	4949		99	23.1	3	102	94	24.5	0	112	20.2	10	92	24.5	0
	Garst	8751		98	22.8	5	100	94	21.3	0	99	20.4	13	101	26.6	1
	Direct	D51		103	21.2	2	99	106	18.8	0	99	19.5	5	104	25.3	1
	Direct	D53		103	21.4	12	102	103	19.8	1	102	19.8	34	103	24.6	1
	Dekalb	DK431		106	22.0	10	99	106	21.3	1	104	19.2	29	107	25.5	0
	Hyland	HL2387		100	23.2	6	101	104	23.3	0	102	20.8	17	95	25.4	0
	NK	MAX 357	B3	98	22.4	14	101	105	21.8	0	87	20.0	41	102	25.4	0
	Garst	8816		96	23.5	9	99	94	22.5	1	100	21.1	24	95	26.8	1
	Garst	8820		97	23.0	6	96	93	20.7	1	101	19.5	18	98	28.7	0
	Golden Har.	H-6726		107	22.3	3	98	110	21.3	1	113	19.8	7	101	25.8	2
	Asgrow	RX393		109	22.7	17	98	111	21.1	0	109	20.6	50	106	26.4	2
2	Pickseed	4779BT	B1	96	26.1	15	102	101	26.1	0	86	24.7	46	98	27.7	0
9	Dekalb	DK440		109	22.3	13	98	108	20.9	0	110	20.1	38	110	26.0	0
0	Pioneer	37H24		109	23.5	7	102	109	22.7	1	106	21.1	19	111	26.6	0
0	Pioneer	37J99	I	110	24.3	6	97	106	24.3	1	117	20.8	17	109	27.9	1
	Average			175	22.2	7	74	168	21.2	0	159	20.1	20	198	25.4	1
	LSD(0.10)			7				16			13			5		

The ONTARIO CORN COMMITTEE is made up of representatives of Agriculture and Agri-Food Canada, the Ontario Ministry of Agriculture Food and Rural Affairs, the University of Guelph, the Ontario Soil and Crop Improvement Association, the Ontario Corn Producers Association, the Ontario Seed Corn Growers' Marketing Board and the Canadian Seed Trade Association. Tests are conducted each year by the following cooperating agencies: Essex County Soil and Crop Improvement Association, Agriculture and Agri-Food Canada at Harrow; Ridgetown College, University of Guelph, Ridgetown; Crop Science Department, University of Guelph; Kemptville College, University of Guelph, Kemptville; and Agriculture and Agri-Food Canada at Ottawa.

Table 5: 2800 - 3000 C. H. U Area

1998 - 99 Averages

AVERAGE of 6 Trials

(Ilderton '98-'99; Ailsa Craig '98-'99; St. Thomas '98-'99)

	Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
2	Agventure	AGV 390		92	17.7	0	98
8	NK	N29-F1	B2	96	19.5	0	104
0	Pride	K286		98	19.9	0	99
0	NK	N3030BT	B2	103	19.0	1	100
	Pioneer	38P05		100	18	1	102
	Pioneer	38P06	B1	104	19.2	1	99
	Direct	D53		99	18.6	1	101
	Renk	RK546		103	18.7	1	98
	NK	MAX 357	B3	99	18.7	1	102
	Garst	8816		95	20.6	2	98
2	Agventure	AGV 490		101	19.4	1	99
9	Direct	D67		105	20.5	1	102
8	NK	MAX 86	B3	96	19.0	0	105
0	Garst	8766		98	20.1	1	100
	Renk	RK552		101	19.5	1	99
	Dekalb	DK440		106	18.1	1	98

1998 - 99 Averages Continued

AVERAGE of 6 Trials

(Ilderton '98-'99; Ailsa Craig '98-'99; St. Thomas '98-'99)

	Brand and/or Hybrid		Notes	Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Maizex	MZ301		95	19.8	1	100
	Dekalb	DK477		103	18.9	0	99
	Pride	K318		98	20.4	1	102
	NK	MAX 23	B3	104	19.7	1	101
	Hyland	HL2505		104	20.1	2	99
3	NK	N4242BT	B2	98	20.2	0	100
0	Renk	RK665		100	20.4	1	100
0	Pioneer	37J99	I	105	19.8	1	98
0	Pioneer	37R71	B1	102	19.4	1	97
	Cargill	3677		97	19.6	0	102
	Pride	K378		102	19.7	0	100
	Pioneer	36G32	B1	97	22.0	1	100
	Cargill	3631IMI	I	98	19.7	0	101
	Cargill	3650LL	L2	95	20.0	0	102
	Hyland	HL2614		101	21.6	0	97
	Hyland	HL2507		105	20.6	1	98
	Average *			183	19.7	1	74
	LSD(0.10)			5			

Table 5: Results of 199 Performance Trials

	Brand and/or Hybrid		Notes	AVERAGE of 3 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	ILDERTON Yield Index	Moist. %	Brkn Stk %	AILSA CRAIG Yield Index	Moist. %	Brkn Stk %	ST. THOMAS Yield Index	Moist. %	Brkn Stk %
	Hyland	HLB275	B3	94	18.0	1	98	95	21.7	0	97	15.9	0	90	16.3	3
	Asgrow	RX355YG	B1	97	17.6	1	101	90	21.6	0	103	15.6	0	100	15.5	2
2	Agventure	AGV 390		92	17.6	0	98	96	22.0	0	87	15.2	0	92	15.7	0
8	Golden Har.	H-6808		100	18.3	1	104	100	22.3	1	97	16.7	1	103	15.9	2
0	Hyland	HL2391		98	19.5	1	100	101	24.2	0	98	17.7	0	93	17.1	2
0	NK	N29-F1	B2	100	18.9	0	104	104	21.8	0	90	17.4	0	104	17.4	0
	Dekalb	DK427		106	17.3	1	99	113	21.0	1	104	15.1	1	100	15.8	1
	Growmark	FS 82A70		109	18.0	1	97	115	22.1	1	99	15.7	1	111	16.1	2
	Growmark	FS 82A88	B1	107	21.1	2	100	105	27.1	0	108	18.1	0	108	17.9	6
	Growmark	FS 2883		93	16.8	1	96	94	19.9	0	89	15.0	0	96	15.4	3
	Pride	K286		103	19.0	0	102	107	21.9	0	98	17.3	0	103	17.6	1
	NK	N3030BT	B2	103	17.9	2	101	107	21.1	0	102	16.2	0	101	16.3	7
	Garst	N8890BT	B1	103	20.9	0	100	104	26.8	0	102	18.2	0	101	17.7	1
	Garst	N8894BT	B1	98	17.5	1	100	90	20.9	0	102	15.6	0	103	16.1	2
	Mycogen	2424	B3	80	19.6	1	100	83	24.2	0	79	17.3	0	77	17.4	3
	Pioneer	38P05		107	17.9	1	102	102	20.6	1	104	16.5	1	115	16.5	1
	Pioneer	38P06	B1	109	18.6	0	100	107	21.8	0	108	16.8	0	112	17.2	1
	Direct	D51		94	17.3	0	99	102	22.0	0	89	15.0	0	91	14.9	0
	Direct	D53		99	17.9	3	99	101	22.4	0	99	15.6	1	97	15.8	7
	Renk	RK546		104	18.1	1	97	105	22.3	0	110	16.3	1	96	15.8	3
	NK	MAX 357	B3	103	18.1	1	102	101	22.2	1	106	16.1	0	103	16.0	4
	Bayside	SUPER 93		103	19.2	0	98	99	24.5	1	106	16.3	0	106	16.9	1
	Garst	8816		94	20.3	3	98	94	24.8	0	93	18.1	1	96	18.0	8
	Garst	8820		87	17.7	1	99	92	21.9	0	84	15.6	1	85	15.7	2
	Agventure	AGV 490		107	19.3	1	100	106	25.0	0	107	16.4	2	109	16.7	1
2	Agventure	AGV 501		99	18.8	2	99	102	24.2	1	99	15.6	3	97	16.5	2
9	Direct	D67		109	19.8	1	103	107	24.3	0	112	17.9	1	109	17.3	1
0	Golden Har.	H-6726		94	17.5	1	95	92	22.4	1	94	14.9	0	98	15.2	2
0	NK	MAX 86	B3	99	18.7	1	104	101	22.4	0	100	17.0	0	94	16.6	3
	Garst	N7801		104	18.8	0	98	104	24.3	0	102	16.5	0	107	15.6	0

Table 5: 2800 - 3000 C.H.U. Area

Results of 1999 Performance Trials

	Brand and/or Hybrid		Notes	AVERAGE of 3 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	ILDERTON Yield Index	Moist. %	Brkn Stk %	AILSA CRAIG Yield Index	Moist. %	Brkn Stk %	ST. THOMAS Yield Index	Moist. %	Brkn Stk %
	Asgrow	RX393		100	18.0	0	99	100	22.1	0	100	16.4	0	101	15.5	0
	Bayside	1792		96	20.1	0	99	98	25.4	1	95	17.0	0	96	17.8	0
	Pickseed	4779BT	B1	92	23.8	2	107	84	29.0	0	88	21.7	1	108	20.8	4
	Garst	8766		102	19.3	0	102	107	23.7	1	103	16.9	0	94	17.4	0
	Renk	RK552		104	19.8	0	99	104	25.6	0	107	16.2	1	103	17.6	0
	Dekalb	DK440		106	17.4	1	96	109	21.6	0	106	15.6	1	104	14.8	2
	Growmark	FS 2947	I	98	19.5	0	99	102	23.8	0	99	17.1	0	92	17.6	0
	Pioneer	37H24		109	18.8	2	103	111	22.5	1	103	17.0	2	113	17.0	2
	Great Lakes	4492		92	18.1	0	98	97	22.9	0	91	15.0	0	86	16.4	0
	Direct	D66RR	R	103	19.5	0	98	105	26.0	0	103	15.8	1	100	16.7	0
	Maizex	MZ301		91	19.4	1	99	87	25.1	1	96	16.2	0	91	16.8	3
	Dekalb	DK477		103	18.5	0	99	102	22.8	0	104	16.4	0	104	16.3	0
	Pride	K318		96	19.3	0	104	95	24.0	0	97	17.1	0	97	17.0	1
	NK	MAX 23	B3	109	18.4	1	102	110	21.9	0	107	16.9	0	110	16.6	3
	Hyland	HL2505		100	19.8	2	99	99	25.6	0	110	15.5	0	90	18.2	6
	NK	N4242BT	B2	104	18.7	0	100	103	22.5	0	106	17.4	0	102	16.2	0
	Renk	RK665		98	20.1	2	100	101	25.1	0	97	17.6	1	96	17.7	5
	Mycogen	2525	B3	88	20.1	1	98	81	24.8	0	86	17.6	0	99	18.1	3
	Pioneer	37J99	I	106	19.0	1	97	110	23.0	0	111	17.1	2	94	16.8	1
	Pioneer	37R71	B1	105	19.1	1	98	106	23.1	0	102	17.4	1	107	16.8	2
3	Dekalb	DK493RR	R	105	19.7	0	98	107	24.2	0	101	17.8	1	107	17.2	0
0	Great Lakes	4526		110	19.1	0	99	106	24.6	0	117	16.4	0	108	16.4	1
0	Cargill	3677		97	18.8	0	102	94	23.5	0	97	16.8	1	99	16.2	0
0	Dekalb	DK507		98	20.5	1	100	90	26.1	1	105	17.6	1	101	17.8	0
	Pride	K378		101	19.3	1	100	104	22.7	0	98	17.5	0	102	17.8	2
	Maizex	MZ445		107	19.6	1	102	102	24.9	0	108	17.6	0	113	16.2	2
	Pioneer	36G32	B1	101	20.8	3	103	106	25.5	0	101	18.8	0	96	18.1	9
	Cargill	3631IMI	I	96	19.1	0	101	98	24.9	0	95	16.6	0	96	15.9	0
	Cargill	3650LL	L2	95	19.1	0	102	89	23.7	0	104	16.8	0	91	16.9	0
	Pioneer	37M34		108	20.3	1	102	100	25.1	0	104	17.8	0	122	18.1	2
	Garst	8678HPH	P	91	22.7	0	103	91	28.6	0	97	18.5	0	85	21.1	0
	Garst	8732IT	I	95	21.0	0	101	91	28.0	0	100	17.3	0	96	17.7	1
	Garst	8756RR	R	100	19.4	0	99	96	25.6	0	104	15.6	0	101	16.9	0
	Hyland	HL2614		101	20.9	0	99	100	26.0	0	106	17.8	0	96	19.0	1
	Hyland	HL2507		104	20.6	2	99	98	27.0	0	114	17.4	2	102	17.5	4
	Cargill	4021BT	B1	103	18.3	0	101	104	22.4	0	100	16.3	0	106	16.2	0
	Dekalb	DK520RR	R	90	21.1	0	96	95	27.1	0	89	18.8	1	85	17.4	0
3	Garst	N8701BT	B1	96	22.7	0	100	92	29.1	0	98	19.5	0	99	19.5	1
1	Mycogen	2566	B3	90	22.2	0	99	87	27.7	0	82	19.1	1	104	19.8	0
0	Pioneer	36K50		105	20.5	1	104	112	25.1	1	102	18.4	0	99	18.1	2
0	Pioneer	36R10		104	20.7	2	100	108	24.9	2	99	18.5	0	105	18.6	3
	Average			150	19.3	1	76	167	24.0	0	148	16.9	0	136	17.0	2
	LSD(0.10)			11				18			18			21		
	European Corn Borer Pressure							Low			Low			None		

TESTING METHODS

Seed companies select the hybrids they enter in The Ontario Corn Committee's Hybrid Corn Performance trials. A testing fee is charged per hybrid per replication. In each trial, hybrids are replicated in a suitable experimental design. Trials are machine planted with an excess of seed and thinned at an early growth stage to obtain a uniform population. A row width of 30 inches is used in all trials. Immediately before harvest, a count is made of all plants broken below the ear and from this count the percentage of broken stalks is determined. The moisture percentage of the grain is determined at harvest time to indicate the relative maturity of each hybrid. The weight of grain harvested from each plot is determined and the yield of shelled corn is calculated at 15% moisture.

Table 6: 2900 - 3100 C.H.U. Area

	Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 4 Trials (Inwood '98-'99; Kerwood '98-'99) Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Performance Trials: AVERAGE of 2 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	INWOOD Yield Index	Moist. %	Brkn Stk %	KERWOOD Yield Index	Moist. %	Brkn Stk %
	Golden Har.	H-6808						91	20.7	0	104	84	21.1	0	97	20.3	0
	NK	N3030BT	B2	99	20.6	1	101	97	20.7	0	102	102	21.2	1	93	20.2	0
	Pioneer	38P06	B1	103	21.0	1	102	102	21.4	2	102	100	21.7	1	103	21.2	3
	Renk	RK546		102	19.2	0	98	98	19.4	0	96	94	21.3	0	101	17.5	0
	NK	MAX 357	B3	89	19.5	1	102	84	19.4	1	101	79	20.1	2	88	18.7	0
	Bayside	SUPER 93						106	20.6	3	99	108	21.7	3	104	19.4	3
2	Garst	8816						91	22.0	1	99	81	22.7	2	97	21.3	0
9	Agventure	AGV 490		104	20.4	1	100	105	20.5	2	98	111	20.7	3	101	20.4	2
0	Agventure	AGV 501						102	20.4	2	100	93	21.4	2	108	19.3	2
0	Golden Har.	H-6726						84	20.5	1	97	80	20.9	3	87	20.1	0
	Bayside	1792						92	21.5	1	98	99	21.0	2	87	21.9	0
	Garst	8766		99	21.3	0	102	98	21.5	1	101	96	22.2	1	100	20.9	0
	Renk	RK552		102	20.8	0	100	101	21.3	0	99	107	21.8	0	98	20.9	1
	Dekalb	DK440		98	19.3	1	97	92	18.5	3	97	99	20.2	3	87	16.9	3
	Pioneer	37H24						104	21.4	3	104	112	21.6	2	98	21.2	3
	Maizex	MZ301		98	20.8	1	100	96	20.7	1	101	95	21.2	1	97	20.2	0
	Dekalb	DK477		104	20.1	1	98	105	20.9	1	98	108	22.4	1	102	19.4	1
	Pride	K318		99	22.5	1	103	103	22.7	1	103	101	22.8	2	105	22.7	0
	NK	MAX 23	B3	99	20.8	0	101	99	21.1	0	104	94	21.4	0	102	20.7	0
	Hyland	HL2505		102	20.8	1	99	105	20.8	1	100	110	20.7	0	101	21.0	2
	Agventure	AGV 530						105	23.1	1	99	118	21.6	2	97	24.7	1
	NK	N4242BT	B2	94	21.3	0	100	91	21.0	1	101	80	21.9	0	100	20.2	2
	Renk	RK665		103	21.8	2	101	101	22.0	2	101	108	21.7	2	96	22.3	3
	Bayside	SUPER 100						108	23.4	1	99	118	22.3	1	100	24.5	2
	Mycogen	2525	B3					93	22.3	1	100	100	22.3	0	87	22.3	2
3	Pioneer	37J99	I	98	21.7	1	97	94	21.8	2	98	90	21.9	2	97	21.8	2
0	Pioneer	37R71	B1	99	21.4	0	98	101	22.1	0	99	104	22.2	0	99	21.9	0
0	Direct	D73		100	22.3	0	98	102	22.7	1	100	96	22.0	1	106	23.4	0
0	Cargill	3677		98	21.8	1	102	93	22.0	1	102	89	22.2	2	97	21.8	1
	Dekalb	DK507						106	21.9	1	99	118	22.7	1	97	21.1	0
	Direct	D75		103	23.0	0	101	103	23.3	1	102	107	22.6	1	101	24.0	0
	Hyland	HLW147	W					105	25.4	1	98	104	25.2	1	106	25.7	1
	Pride	K378		97	21.1	1	101	94	21.4	1	101	94	22.0	1	94	20.8	1
	Maizex	MZ445						116	23.4	1	96	118	23.5	0	114	23.4	2
	NK	N4424		103	22.0	1	99	107	21.9	1	100	106	22.0	2	109	21.8	1
	NK	N44-P4	B2	108	21.8	0	100	113	22.4	1	101	114	22.0	0	112	22.7	2
	Pioneer	36G32	B1	95	22.9	2	100	93	23.0	3	101	100	22.7	0	87	23.3	7
	Cargill	3631IMI	I	99	21.4	2	101	98	21.4	3	103	91	21.9	3	103	20.9	3
	Cargill	3650LL	L2	94	21.1	1	99	94	20.5	1	102	92	21.6	2	96	19.5	0
	Pioneer	37M34						113	21.5	2	101	116	21.5	3	110	21.6	2
	Great Lakes	4648						102	21.2	0	98	108	23.6	0	97	18.7	0
	Garst	8678HPH	P					100	25.2	2	101	91	24.7	2	107	25.7	2
	Garst	8732IT	I					92	23.4	1	99	88	23.1	2	94	23.6	0
	Garst	8756RR	R					102	21.0	1	100	108	20.7	1	98	21.4	2
	Garst	8773IT	I	95	22.4	0	103	90	22.1	0	103	93	22.6	0	88	21.6	0
	Garst	8780HPH	P					91	22.3	2	99	91	22.9	4	91	21.6	0
	Pioneer	3730		99	22.4	1	99	104	23.5	1	100	104	23.3	2	103	23.7	1
	Hyland	HL2614		99	23.4	0	97	99	23.6	1	99	109	22.8	1	92	24.4	0
	Hyland	HL2507		105	21.6	2	100	101	21.8	3	101	111	22.0	1	93	21.6	5
	Pride	K407		103	23.4	0	101	98	23.6	0	102	85	22.8	1	107	24.4	0
	Mycogen	2569		99	23.7	0	97	102	24.0	1	99	103	23.8	2	101	24.1	0
	Cargill	4021BT	B1	100	21.5	1	102	99	21.9	1	102	87	22.4	1	108	21.5	2
	Great Lakes	4758						102	23.1	1	99	107	23.4	0	98	22.8	3
	Dekalb	DK520RR	R					99	22.4	1	95	98	23.5	2	99	21.2	0
	Dekalb	DK525		106	21.7	1	101	100	21.6	2	100	88	21.7	3	110	21.5	1
	NK	G-4286		99	22.8	0	102	97	22.6	0	102	88	21.6	0	103	23.6	1
	NK	N4640BT	B2	98	22.5	0	99	95	23.3	0	99	98	22.4	0	92	24.2	0
	Garst	N8701BT	B1					109	24.3	0	100	126	22.4	0	96	26.3	1
	Renk	RK641		102	24.1	1	98	96	24.0	1	97	84	23.4	2	105	24.5	0
	Renk	RK648						105	23.6	1	101	100	23.8	2	108	23.4	1
	Renk	RK648BT	B1					102	25.1	0	100	95	24.1	1	107	26.1	0
3	Mycogen	2566	B3					98	24.3	0	98	101	23.6	0	96	25.0	0
1	Pioneer	36K50		97	23.0	0	101	98	23.0	1	102	106	23.0	1	92	23.1	0
0	Pioneer	36R10						114	23.4	0	101	115	23.3	1	114	23.6	0
0	Garst	8707						93	24.5	1	98	79	24.2	2	103	24.8	0

Table 6 Continued :

Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 4 Trials Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Performance Trials: AVERAGE of 2 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	INWOOD Yield Index	Moist. %	Brkn Stk %	KERWOOD Yield Index	Moist. %	Brkn Stk %
Cargill	4111		104	22.1	0	100	105	22.4	1	102	101	22.9	1	107	22.0	0
Dekalb	DK527						97	24.0	2	99	93	24.0	2	100	23.9	2
Cargill	4150LL	L2					106	22.8	1	101	103	23.0	2	108	22.7	0
Dekalb	DK537						100	23.7	0	97	100	24.4	0	99	23.0	1
Dekalb	DK539						107	23.7	0	98	108	24.1	0	105	23.2	1
NK	N47-H7	B3	103	23.1	0	103	98	23.2	1	103	87	22.2	1	107	24.3	0
Pioneer	36Y96	B1					106	25.0	1	100	109	24.9	1	104	25.1	0
Cargill	4220BT	B1					103	24.0	1	101	96	24.1	0	108	23.9	2
Cargill	4811						108	24.1	1	99	126	22.4	1	96	25.8	0
Average			180	21.7	1	73	162	22.4	1	76	136	22.4	1	188	22.3	1
LSD(0.10)			5				9				10			13		
European Corn Borer Pressure											Low			Low		

SEED CORN DEALERS

Brand or Identification	Company	Address of Canadian Sponsor	Telephone
Agventure	Agventure Seeds Inc.	R.R.#1, Woodslee, N0R 1V0	1-519 - 723 - 4476
Asgrow	Monsanto Canada Inc.	2233 Argentia Road, Mississauga L5N 2X7	1-905 - 826 - 8560
Bayside	Bayside Seeds	R.R. #3, Norwich, N0J 1P0	1-519 - 863 - 3848
Cargill	Cargill Hybrid Seeds	Box 490, Princeton, N0J 1V0	1-519 - 458 - 4336
DEKALB	DEKALB	301 Richmond St., Chatham N7M 1P5	1-519 - 352 - 5310
Direct	Direct Seeds Inc.	R.R. #5, Chatham N7M 5J5	1-800 - 461 - CORN
Garst	Garst Seeds	73 Cecile Avenue, Chatham N7M 5S2	1-519 - 380 - 0605
Golden Har.	Direct Seeds Inc.	R.R. #5, Chatham N7M 5J5	1-800 - 461 - CORN
Great Lakes	Great Lakes Hybrid Inc.	196 Queen St. S., Chatham N7M 2H1	1-519 - 351 - 6670
Growmark	Growmark	Box 634, Mississauga L5M 2C1	1-905 - 814 - 4266
Hyland	Hyland Seeds	Box 130, 2 Hyland Dr., Blenheim NOP IAO	1-800 - 265 - 7403
Maizex	Maizex Inc.	RR #2, Tilbury NOP 2LO	1-519 - 682 - 1720
Mycogen	Mycogen Canada Inc.	305 Consortium Court, London N6E 2S8	1-800 - 265 - 5289
NK	Novartis Seeds Inc.	15910 Medway Rd., R.R.#1, Arva N0M 1C0	1-800 - 756 - SEED
Pickseed	Pickseed Canada Inc.	Box 304, 1 Greenfield Rd, Lindsay K9V 4S3	1-800 - 661 - GROW
Pioneer	Pioneer Hi-Bred Limited	Box 730, 7398 Queens Li., Chatham N7M 5LI	1-800 - 265 - 9435
Pride	Limagrain Genetics Inc.	Box I088, Chatham N7M 5L6	1-519 - 354 - 3210
Renk	Renk Seed Co. of Can. Ltd.	R.R. #4, Blenheim NOP IAO	1-519 - 676 - 4202

Notes about Special Genetic Traits:

Code	Trait	Genetic Event
B1	Resistant to European Corn Borer	MON810
B2	Resistant to European Corn Borer and warranted by AgrEvo to be tolerant to Liberty herbicide	Bt11
B3	Resistant to European Corn Borer	Event 176
B4	Resistant to European Corn Borer	DBT 418
L1	Tolerant to glufosinate (Liberty) herbicide	T14
L2	Tolerant to glufosinate (Liberty) herbicide	T25
L3	Tolerant to glufosinate (Liberty) herbicide	DLL 25
R	Tolerant to glyphosate (Roundup) herbicide	MON GA21
I	Tolerant to Imidazolinone herbicides	Not Applicable
G	Resistant to Gray Leaf Spot	Not Applicable
O	High Oil	Not Applicable
P	Tolerant of high pH soils	Not Applicable
W	Waxy	Not Applicable

The Ontario Corn Committee does not assess hybrids for Special Genetic Traits. Hybrid descriptions are based on information received from corn companies, as of November 20, 1999. Although the Ontario Corn Committee believes the information contained in this report to be accurate, growers are strongly urged to consult dealers of the respective hybrids and products, before making purchasing or management decisions.

Table 7: 3100 - 3300 C.H.U. Area

	Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 4 Trials (Croton '98-'99; Ridgetown '98-'99) Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Performance Trials: AVERAGE of 2 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	CROTON Yield Index	Moist. %	Brkn Stk %	RIDGETOWN Yield Index	Moist. %	Brkn Stk %
	Bayside	SUPER 100						89	20.1	1	100	88	19.3	1	91	20.9	2
	Pioneer	37R71	B1	89	21.6	1	99	85	20.7	1	98	91	19.5	1	79	22.0	1
	Direct	D75		91	22.7	2	100	90	21.0	3	102	93	20.0	3	87	22.0	3
	Maizex	MZ445		101	22.7	1	98	95	20.8	2	98	97	18.9	2	94	22.8	1
	NK	N4424		94	21.2	2	101	93	20.2	3	100	95	18.9	3	91	21.5	3
	NK	N44-P4	B2					98	20.1	0	103	97	19.2	1	98	21.1	0
	Pioneer	37M34						98	19.5	1	103	95	18.9	2	101	20.2	1
	Garst	8678HPH	P					87	21.0	4	102	88	20.0	3	86	22.1	5
	Pioneer	3730		91	22.0	2	100	84	21.1	3	101	85	19.8	5	85	22.3	1
	Hyland	HL2507		95	21.3	2	101	95	20.5	4	102	90	19.0	2	101	21.9	5
	Pride	K407		90	22.9	1	102	85	21.2	2	102	84	19.8	2	86	22.6	2
	Cargill	4021BT	B1	88	21.7	1	103	90	20.2	1	102	89	18.7	1	91	21.8	1
	Agventure	AV 560						94	20.7	1	100	97	19.6	2	91	21.8	1
	Dekalb	DK525		92	21.6	2	102	88	19.6	3	102	84	18.7	3	93	20.5	3
	Growmark	FS 83A15BT	B1					99	21.5	1	101	99	20.4	1	99	22.6	1
3	NK	G-4286		92	22.1	1	104	93	20.1	1	104	97	19.1	1	90	21.1	2
1	NK	N4640BT	B2	91	21.3	1	101	89	20.3	1	101	92	19.6	2	87	21.0	0
0	Renk	RK648BT	B1					100	21.3	1	101	99	19.4	2	101	23.2	1
0	Mycogen	2566	B3					86	21.8	1	99	87	20.4	2	85	23.3	1
	Pioneer	36K50		91	23.0	3	104	87	21.1	5	104	89	19.6	6	85	22.7	4
	Pioneer	36R10						96	21.3	2	101	99	20.0	2	93	22.6	2
	Great Lakes	4848						89	20.6	3	99	91	19.2	2	87	22.0	4
	Garst	8707		97	22.6	2	98	97	20.3	3	97	94	18.0	3	101	22.7	2
	Pioneer	36R11	B1												102	22.3	0
	Cargill	4111		97	21.8	2	100	94	20.2	3	101	90	18.5	5	99	22.0	1
	Pride	K469		91	22.8	2	102	86	21.0	3	102	86	20.1	3	87	21.9	2
	Renk	RK761		106	24.2	3	98	103	22.3	4	98	101	20.5	5	106	24.1	3
	Cargill	4150LL	L2					91	20.2	2	102	96	19.2	2	86	21.1	2
	Dekalb	DK527													85	22.1	3
	Dekalb	DK539						90	20.7	2	103	91	19.0	2	90	22.4	2
	NK	N47-H7	B3	99	22.6	1	104	101	20.5	1	106	104	19.5	1	98	21.6	1
	Mycogen	2620		101	23.5	2	100	100	21.5	3	101	98	20.1	5	102	22.8	2
	Pioneer	36B08						102	21.9	1	101	105	20.6	1	100	23.2	2
	Pioneer	36Y96	B1					96	22.2	2	101	101	21.6	2	92	22.9	1
	Dekalb	DK537													87	22.6	5
	Renk	RK728		104	24.1	1	97	105	22.4	2	99	98	20.6	3	113	24.2	1
	Cargill	4521BT	B1												101	21.8	1
	Agventure	AGV 636						95	23.4	2	99	93	21.9	3	96	24.9	1
	Agventure	AV 617						95	23.1	2	98	90	21.2	2	99	24.9	3
	Renk	RK778						112	21.3	1	99	112	20.1	2	111	22.6	1
3	Asgrow	RX530		93	24.3	1	98	94	21.8	2	99	96	20.2	3	93	23.4	1
2	Asgrow	RX530RR	R									95	20.2	1			
0	Mycogen	2598	B3	103	24.0	1	97	101	21.7	2	98	101	20.4	3	101	22.9	1
0	Mycogen	2652						113	21.9	1	98	114	20.3	0	113	23.5	2
	Mycogen	2657	B3					111	22.6	1	98	114	21.0	1	109	24.2	2
	Pioneer	35P12						108	22.2	1	100	108	20.6	1	108	23.8	1
	Pioneer	36D14	I					103	21.2	4	101	99	19.7	2	107	22.6	7
	Pioneer	36G13	B1					114	22.8	1	99	119	21.6	1	110	24.0	2
	Cargill	4220BT	B1					100	21.5	2	101	101	19.9	3	99	23.0	1
	Garst	8675TC3	O					92	21.6	2	100	90	20.2	1	94	23.1	3
	Renk	RK775		114	24.6	2	99	112	22.3	2	98	108	20.5	2	116	24.0	2
	Cargill	4811		91	23.3	0	98	88	21.1	1	99	84	20.1	0	92	22.2	1
	Dekalb	DK551						104	22.9	2	98	102	20.3	1	106	25.6	4
	Dekalb	DK551BTY	B1					110	23.6	1	98	108	21.2	2	112	26.0	0
	Direct	D86		109	24.1	2	99	108	21.9	2	98	108	19.9	4	109	24.0	1
	Growmark	FS 83A25LL	L2					94	21.4	3	101	90	20.2	5	98	22.5	2
	Pride	K510		110	25.5	1	99	108	23.1	1	99	106	21.0	1	111	25.3	2
	NK	MAX 21	B3	105	25.1	1	100	108	23.0	1	101	110	22.0	2	106	24.0	1
	Maizex	MZ478		106	23.8	3	97	103	21.6	3	98	97	20.0	2	110	23.1	4

Table 7:

	Brand and/or Hybrid		Notes	1998 - 99 Averages: Average of 4 Trials Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Performance Trials: AVERAGE of 2 Trials Yield Index	Moist. %	Brkn Stk %	Test Wt. Index	CROTON Yield Index	Moist. %	Brkn Stk %	RIDGETOWN Yield Index	Moist. %	Brkn Stk %
	NK	N57-E3	B3	111	24.2	1	101	110	22.1	1	101	110	21.2	3	111	23.0	0
	Garst	N6599						93	22.0	2	100	93	21.0	3	93	23.0	2
	Asgrow	RX601RRYG	R B1					114	23.0	0	99	115	21.6	0	113	24.4	1
	Bayside	SUPER 105						116	22.2	2	99	113	20.1	2	119	24.3	1
	Pioneer	3515		103	24.0	1	100	100	22.0	1	101	99	20.7	2	102	23.2	1
	Cargill	5212						103	21.3	2	100	101	19.7	3	106	22.8	2
	Great Lakes	5456						100	23.0	3	98	102	20.9	3	98	25.2	3
	Great Lakes	5571						91	22.5	1	97	92	21.0	3	90	23.9	0
	Garst	8580		108	23.0	1	98	108	20.7	3	99	110	19.6	4	106	21.9	2
	Garst	8608BT	B1					100	22.2	2	101	103	20.6	3	99	23.8	1
	Garst	8686						101	21.1	1	102	102	20.2	1	101	22.0	2
	Direct	D88RR	R					104	22.6	2	99	101	20.6	4	108	24.6	1
	Pioneer	35N05	B1	102	24.0	1	100	103	22.3	2	100	106	20.6	3	100	24.0	0
	Maizex	MZ500		121	25.5	1	98	128	23.2	2	99	128	21.4	3	129	25.1	1
	Hyland	HLB328	B1					99	21.3	1	100	101	20.0	2	97	22.6	0
	Renk	RK818		109	25.3	0	99	108	23.2	1	100	109	21.7	1	108	24.7	1
	Agventure	AGV 695		118	24.6	1	99	117	22.6	2	99	113	21.1	1	120	24.2	2
	Direct	D90						124	23.5	1	99	124	22.3	2	125	24.7	1
	Pride	K543		101	24.9	2	99	97	22.7	3	99	97	21.5	3	97	23.8	3
	NK	N58-D1	B2	114	24.6	0	100	113	22.4	0	100	115	20.8	1	112	24.0	0
	Renk	RK864						119	25.8	2	96	121	22.9	2	117	28.7	2
3	Mycogen	2725						118	23.7	1	98	119	22.6	0	118	24.9	3
3	Pioneer	34G81						103	22.6	3	99	104	21.0	3	103	24.2	3
0	Pioneer	34G82	B1					109	22.6	1	99	109	20.8	0	109	24.4	1
0	Cargill	5611						88	22.0	1	99	86	21.1	1	90	23.0	2
	Garst	8541IT	I					108	23.9	3	98	103	21.4	1	114	26.4	4
	Pioneer	34K77						100	22.7	2	101	106	21.5	2	95	23.9	3
	Average*			216	23.3	1	73	215	21.7	2	77	213	20.3	2	216	23.1	2
	LSD(0.10)			3				4				6			5		
	European Corn Borer Pressure											Moderate			Moderate		

1999 TRIAL LOCATIONS AND GENERAL INFORMATION

Location	See Table Number	Heat Unit Rating	Soil Type	Co-operator	Final plants per acre**	Date Planted *	Date Harvested
Cobden	1	2500	Sandy Loam	Allan James	30000	discarded - herbicide damage	
Alma	1	2500	Silt Loam	John Wilkinson	30000	May 10	October 25
Pakenham	2	2600	Sandy Loam	Art Gillan	30000	May 14	October 27
Elora	2	2600	Silt Loam	O.A.C.	30000	May 6	October 21
Mitchell	3	2750	Silt Loam	Allan Murray	30000	May 6	October 15
Kemptville	3	2700	Sandy Loam	Kemptville College	30000	May 12	October 18
Ottawa	3	2700	Clay Loam	Research Station	30000	May 6	October 14
Waterloo	3	2750	Sandy Loam	Rosendale Farms	30000	May 3	October 15
Exeter	4	2850	Clay Loam	John McAllister	30000	May 5	October 16
Winchester	4	2800	Clay Loam	Kemptville College	30000	May 29	November 9
Woodstock	4	2850	Loam	O.A.C.	30000	May 4	October 7
Ailsa Craig	5	2900	Clay Loam	Bob Van Hie	30000	May 7	October 18
Ilderton	5	2950	Clay Loam	Ian Goudy	30000	May 10	October 19
St. Thomas	5	3000	Clay Loam	Ferguson Bros.	30000	May 12	October 26
Kerwood	6	3000	Clay Loam	David Bolton	30000	May 11	October 22
Inwood	6	3000	Clay	Tom & Jeff Lassaline	30000	May 3	October 13
Eagle	6	3050	Sandy Loam	Steve Simon	30000	trial discarded - insect damage	
Croton	7	3100	Sandy Loam	Allan Ross	30000	May 10	October 18
Ridgetown	7	3300	Clay Loam	Ridgetown College	30000	May 4	October 6
Grande Pointe	8	3350	Clay Loam	Robert Devolder	30000	May 5	October 19
Amherstburg	8	3450	Clay	G & D Wismer	28600	trial discarded - dry weather	

* All trials planted in 30 inch row widths.

** These populations may not be suitable for your farm

Table 8: 3200 - 3400 C.H.U. Area

	Brand and/or Hybrid		Notes	1998 - 99 Averages (Average of 2 Trials, Malden '98; Grande Pointe '99) Yield Index	Moist. %	Brkn Stk%	Test Wt. Index	Results of 1999 Trials GRANDE POINTE Yield Index	Moist. %	Brkn Stk %	Test Wt. Index
	Agventure	AV 560						95	18.5	2	99
	Pride	K469						76	19.3	1	100
	Dekalb	DK539						82	18.4	2	102
	Pioneer	36B08						98	19.3	1	102
	Pioneer	36Y96	B1					102	19.5	1	101
	Cargill	4521BT	B1					96	18.0	1	102
3	Agventure	AV 617						96	18.9	1	100
2	Agventure	AGV 636						95	19.7	0	100
0	Renk	RK778						107	19.3	2	99
0	Mycogen	2652						112	19.2	2	98
	Mycogen	2657	B3					102	19.2	2	100
	Pioneer	35P12						99	19.6	2	100
	Pioneer	36D14	I					101	19.2	4	101
	Pioneer	36G13	B1					103	19.6	2	100
	Renk	RK775		102	19.0	2	100	107	19.4	2	99
	Dekalb	DK551						101	19.5	1	101
	Dekalb	DK551BTY	B1					100	19.3	2	100
	Pride	K510		100	19.2	2	101	100	19.6	4	100
	NK	MAX 21	B3	98	19.6	4	102	111	19.7	0	101
	Maizex	MZ478		98	18.9	2	99	100	20.0	1	98
	NK	N57-E3	B3	100	19.4	1	102	107	19.9	0	102
	Asgrow	RX601RRYG	R B1					101	20.1	2	99
	Bayside	SUPER 105						106	20.0	3	99
	Pioneer	3515		80	19.7	1	100	87	20.3	2	101
	Cargill	5212						92	18.7	4	102
	Garst	8608BT	B1					94	18.5	2	101
	Garst	8686						96	19.1	1	102
	Direct	D88RR	R					96	19.6	3	100
	Pioneer	35N05	B1	93	18.9	2	101	96	19.5	1	102
	Maizex	MZ500		108	19.7	2	100	111	20.9	1	99
	Dekalb	DK567						96	19.5	3	101
	Renk	RK818		94	19.7	2	99	88	20.6	2	101
	Agventure	AGV 695		98	18.9	3	100	100	19.4	4	99
	Direct	D90		107	19.6	1	100	115	20.5	1	99
	Direct	D91BT	B1	113	20.2	2	100	114	21.6	3	99
	Pride	K543		81	19.4	3	98	84	20.0	2	100
3	NK	N58-D1	B2	106	19.2	2	100	105	20.1	0	100
3	Renk	RK864						111	21.2	2	98
0	Renk	RK864BT	B1					93	18.5	2	102
0	Bayside	SUPER 109						112	20.7	1	98
	Mycogen	2717	B3					109	20.1	2	100
	Mycogen	2725		108	20.5	1	100	105	21.2	1	99
	Pioneer	34G81		97	19.0	1	101	98	19.7	1	100
	Pioneer	34G82	B1					103	20.7	1	100
	Cargill	5611						90	19.5	2	100
	Great Lakes	5675						110	19.5	4	98
	Dekalb	DK595		112	19.1	1	99	117	19.3	1	99
3	Garst	8541IT	I	101	20.2	1	100	99	20.6	2	98
4	Garst	8585GLS-IT	I G					85	18.7	1	101
0	Pioneer	34K77		104	20.0	1	99	97	20.1	3	100
0	Pioneer	34R07	B1					102	20.2	4	100
	Average *			215	19.5	2	76	211	19.7	2	78
	LSD(0.10)			5				5			
	European Corn Borer Pressure							Moderate			

* Average Yields are shown in bushels per acre; Average Test Weights are shown in kg/hl. The LSD is a measure of variability within the trial. Yield indices which differ by an amount less than or equal to the LSD should be considered equal.

DUPLICATION OF THIS REPORT

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